

Table 1 - PRG's for FS from EPA 3-4-2010 Meeting

Chemical	Line of Evidence	Value	Units	Notes	Exposure Area
<b>Metals</b>					
Arsenic	Eco Benthic - PEL SQG	17	mg/kg	No FPM SQG exists	Point by Point
Arsenic	Background DW UPL	3.97	mg/kg		Site-wide hilltop
Cadmium	FPM High SQG	3.51	mg/kg		Point by Point
Chromium	Eco Benthic - PEL SQG	90	mg/kg	No FPM SQG exists	Point by Point
Copper	Eco Benthic - PEC SQG	149	mg/kg	This is lower than the FPM low SQG of 493 mg/kg	Point by Point
Copper	Eco Benthic - FPM High SQG	562	mg/kg	Including both FPM and PEC is inconsistent with other decisions for most chemicals	Point by Point
Lead	Eco Benthic - PEL SQG	91.3	mg/kg	No FPM SQG exists	Point by Point
Mercury	Eco Benthic - FPM High SQG	0.41	mg/kg		Point by Point
Nickel	Eco Benthic - PEL SQG	36	mg/kg	No FPM SQG exists	Point by Point
Silver	Eco Benthic - FPM High SQG	1.72	mg/kg		Point by Point
TBT	Eco - Fish Dietary Assessment - Small Mouth Bass	5.93	mg/kg-OC		1 RM
TBT	Eco - Fish Dietary Assessment - Sculpin	3.78	mg/kg-OC	Weak Line of Evidence	AOPC development - point by point, BERA - 1/10th rivermile
Zinc	Eco Benthic - PEL SQG	315	mg/kg	No FPM SQG exists	Point by Point
<b>PAHs</b>					
B(a)p	HH Clam Consumption, High Consumption Rate 18 g/day, 10 <sup>-5</sup>	5.9	mg/kg-OC	Weak Line of Evidence	1 RM, excluding navigation channel, (E and W separate)
B(a)pEq	HH Tribal Fisher In-water Direct Contact 10 <sup>-6</sup> (cPAH)	423	µg/kg	Cut off at AOPC lines per EPAs June 2009 AOPC development rules	1/2 RM, excluding navigation channel, (E and W separate)
B(a)pEq	HH HF Fisher Beach Sediment Direct Contact 10 <sup>-6</sup> (cPAH)	162	µg/kg	Not clear from notes whether these beach areas should be part of site-wide AOPC or not.	Beach Type
Total LPAHs	Eco Benthic - FPM High SQG	9300	µg/kg		Point by Point
Total PAHs	Eco Benthic - PEC SQG	22800	µg/kg	No FPM SQG exists	Point by Point
<b>SVOCs</b>					
4-methylphenol	Eco Benthic - FPM High SQG	96	µg/kg	Issues of High Non-Detect and/or High Non-Detect Frequencies	Point by Point
Benzyl Alcohol	Eco Benthic - FPM High SQG	36	µg/kg		Point by Point
Carbazole	Eco Benthic - FPM High SQG	1100	µg/kg		Point by Point
Phenol	Eco Benthic - FPM High SQG	120	µg/kg		Point by Point
<b>Phthalates</b>					
Diethyl Phthalate	Eco Benthic - FPM Low SQG	120	µg/kg	EPA said use FPM high, but one does not exist (we mapped low in the meeting but it wasn't really discussed)	Point by Point
<b>PCBs</b>					
Total PCBs	HH Adult Fish Consumption - Small Mouth Bass - Low IR - 10 <sup>-4</sup>	29.5	µg/kg	Cut off at AOPC lines per EPAs June 2009 AOPC development rules	1 RM
Total PCBs	Background DW UPL	17	µg/kg	Cut off at AOPC lines per EPAs June 2009 AOPC development rules	Sitewide Hilltop
Total PCBs	Eco Benthic - FPM High SQG	500	µg/kg		Point by Point
<b>Dioxin Furans</b>					
2,3,4,7,8 PCDF	Eco Bird Dietary Assessment - Sandpiper Worms	0.0541	µg/kg		Beach Type
2,3,4,7,8 PCDF	HH Adult Fish Consumption, Small Mouth Bass Low IR, 10 <sup>-5</sup>	0.00106	µg/kg	Causes large additional area at a risk level inconsistent with decisions on similar PRGs.	1 RM
2,3,4,7,8 PCDF	Eco - Mink Multi-Species Diet	0.056	µg/kg		1 RM
2,3,4,7,8 PCDF	Background DW UPL	0.0005	µg/kg	Causes large additional area at a risk level inconsistent with decisions on similar PRGs.	Site-wide hilltop
<b>Pesticides</b>					
Total Chlordane	HH Fish Consumption - Large Home Range Single Species High IR, Low BA 10 <sup>-6</sup>	1.87	µg/kg		Study Area
delta-HCH	Eco Benthic - FPM High SQG	2.35	µg/kg		Point by Point
Dieldrin	Eco Benthic - FPM High SQG	21.5	µg/kg		Point by Point
Endrin	Eco Benthic - FPM High SQG	20.8	µg/kg		Point by Point
Endrin Ketone	Eco Benthic - FPM High SQG	8.5	µg/kg		Point by Point
Gamma HCH	Eco Benthic - PEL SQG	1.38	µg/kg	EPA leaning towards using this in side wide AOPC. Issues of high Non-Detect (923 of 1106 samples in BERA dataset were non-detect). No FPM SQG exists	Point by Point
Sum DDD	Eco Benthic - PEC SQG	28	µg/kg	No FPM SQG exists	Point by Point
Sum DDE	Eco Benthic - PEC SQG	31.3	µg/kg	No FPM SQG exists	Point by Point
Sum DDE	HH Adult Fish Consumption, Small Mouth Bass Low IR, 10 <sup>-5</sup>	8.8	µg/kg		1 RM
SumDDE	Background DW UPL	1.72	µg/kg	Unclear why this would be mapped outside AOPC boundaries but total PCBs would not.	Sitewide Hilltop
Sum DDT	Eco Benthic - PEC SQG	62.9	µg/kg	No FPM SQG exists	Point by Point
Total DDX	Eco Benthic - FPM High SQG	218	µg/kg		Point by Point

PRGs where there is disagreement between LWG and EPA and have significant impact on the current AOPC boundaries

PRGs referenced in EPA's AOPC Development Rules, June 2009